Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Geometry Quiz – Unit 1

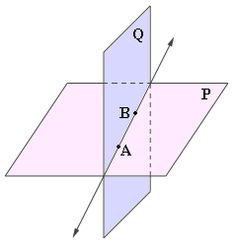
Intro to Geometry

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**V1**

**Instructions:** Complete all questions to the best of your ability. Don’t leave anything blank! This quiz is out of 35 points. *“If there is any one secret of success, it lies in the ability to get the other person’s point of view and see things from that person’s angle as well as from your own.” – Henry Ford*

1. What describes the intersection of plane and plane ? *(2 pts)*
2. Point B
3. Point P
4. Draw and label a figure that that shows this: *(2 pts)*

**intersects plane at point**

1. The figure below shows a bisected angle. If and , solve for and find . *(3 pts)*

2

1

4.) Use the figure below to solve for . *(2 pts)*

a.)

109o

6x-11

b.)

c.)

d.)

1. Use the figure below to solve for . *(2 pts)*
2. If , then which must be true about the figure below? *(2 pts)*

A

B

C

D

: is a bisector.

: is a right angle.

: is twice as large as .

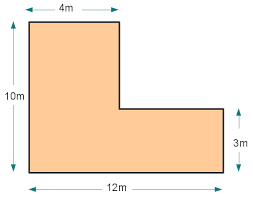
a.) only b.) only c.) only d.) and e.) , , and

1. The midpoint of *AB* is *M*. If *A* is at and *M* is at find *B*. *(2 pts)*
2. Given points and .

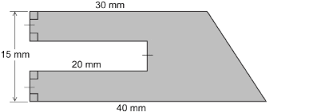
a.) Find the length of . *(2 pts)*

b.) Find the midpoint of . *(2 pts)*

1. Jayla bikes 3 miles north, then 4 miles west, then 6 miles north, then 1 more mile west, then gets on a trail that takes her straight back to her starting point. How far has Jayla biked total? (Leave your answer as a decimal.) *(3 pts)*
2. Which of the following correctly describes the area of the shape below? *(2 pts)*

 *(2 pts each)*

1. Determine the perimeter of the shape above. b.) Determine the area of the shape above.
2. Determine the area of the shape below. *(3 pts)*



Extra Credit 1.)

Draw 3 planes that intersect at the same line. *(1 pt)*

Extra Credit 2.) If has been trisected by and , and if , then and . *(1 pt each)*